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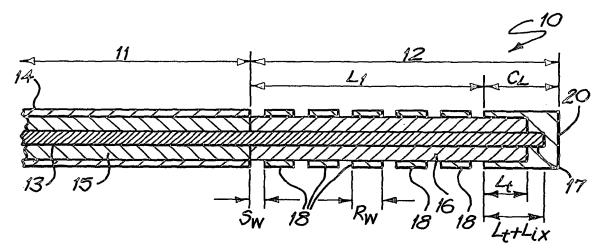
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(54) Title: A MICROWAVE ANTENNA FOR MEDICAL ABLATION



(57) Abstract: This invention concerns a microwave antenna (10) for cardiac ablation. In particular it concerns such an antenna suitable for catheter ablation. The antenna comprises a transmission line (11) having an inner conductor (13), an outer conductor (14) and a dielectric insulator (15) to provide insulation between the inner and outer conductor. An energy emitting antenna element (12) is located at the distal end of the transmission line. The antenna element has an inner conductor (17) electrically coupled to the inner conductor of the transmission line, and a sheath of dielectric insulator (16) around the inner conductor continuous with the insulator of the transmission line. At its distal end there is a hollow metallic cap (20) electrically connected to the inner conductor and surrounding a length of the insulator. In a further aspect it concerns a method for making such an antenna.